



US 20140242985A1

(19) **United States**(12) **Patent Application Publication**  
**Kneckt et al.**(10) **Pub. No.: US 2014/0242985 A1**(43) **Pub. Date: Aug. 28, 2014**(54) **ACTIVE SCANNING IN WIRELESS NETWORK**(52) **U.S. Cl.**CPC ..... *H04W 48/16* (2013.01); *H04W 76/02* (2013.01)(75) Inventors: **Jarkko Kneckt**, Espoo (FI); **Mika Kasslin**, Espoo (FI); **Eng Hwee Ong**, Espoo (FI); **Gabor Bajko**, Santa Clara, CA (US)USPC ..... **455/434**(73) Assignee: **Nokia Corporation**, Espoo (FI)

(57)

**ABSTRACT**(21) Appl. No.: **14/352,627**(22) PCT Filed: **Oct. 28, 2011**(86) PCT No.: **PCT/US2011/058346**

§ 371 (c)(1),

(2), (4) Date: **Apr. 17, 2014****Publication Classification**(51) **Int. Cl.***H04W 48/16* (2006.01)*H04W 76/02* (2006.01)

This document discloses a solution for preparing for a connection establishment in a wireless network. According to an aspect, transmission of a request message from the wireless apparatus is carried out on a channel. Thereafter, a response message is acquired on said channel as a response to the request message, the response message being originated from a second wireless apparatus which is in an unassociated state with said wireless apparatus, and the response message comprising information on at least two wireless networks operating on at least one of said channel and another channel. Then, the received response message may be utilized in the connection establishment.

**SCANNING DEVICE****RESPONDER 1 RESPONDER 2**